

**2020 Soybean Variety Trial at Mohall**

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Assoc.

Company/Brand	Variety	Herbicide System	Maturity Group	IDC Rating	Plant Height	Test Weight	Yield -----					
							2018	2019	2020	2 yr	3 yr	
						1-5 <sup>a</sup>	inches	lbs/bu	bushels/acre -----			
Integra	50060N	Xtend	00.6	2.1	37	58.7	--	47.4	37.4	42.4	--	
Integra	40089N	Enlist E3	00.8	2.1	37	57.9	--	39.1	41.2	40.1	--	
Integra	50081N	Xtend	00.8	2.6	32	58.3	--	--	45.2	--	--	
Integra	20097	RR2	00.9	2.8	39	58.0	28.7	43.7	39.7	41.7	37.4	
LG Seeds	LGS00899RX	Xtend	00.8	2.7	37	57.6	--	45.3	41.3	43.3	--	
LG Seeds	LGS0111RX	Xtend	0.1	2.3	39	57.8	31.4	56.7	36.7	46.7	41.6	
LG Seeds	LGS0355RX	Xtend	0.3	2.1	37	57.4	--	--	35.5	--	--	
NK Seeds	S006-R7X	Xtend	00.6	2.8	33	58.3	--	--	50.3	--	--	
NK Seeds	S01-C4X	Xtend	0.1	2.3	37	58.8	--	--	33.8	--	--	
NK Seeds	S02-F9X	Xtend	0.2	3.1	32	58.1	--	--	38.8	--	--	
NK Seeds	S03-S6X	Xtend	0.3	2.6	32	58.3	--	--	31.0	--	--	
NK Seeds	S05-N5X	Xtend	0.5	2.8	32	58.5	--	--	35.8	--	--	
NK Seeds	S04-Q7X	Xtend	0.4	2.0	37	57.9	--	--	31.7	--	--	
Dairyland Seed	EXP E8-201E	Enlist E3	00.8	2.2	38	57.9	--	--	41.6	--	--	
Dairyland Seed	EXP E9-201E	Enlist E3	00.9	1.6	37	58.1	--	--	33.8	--	--	
Dairyland Seed	DSR-0119E	Enlist E3	0.1	2.6	36	56.1	--	--	35.3	--	--	
Proseed	XT70-09	Xtend	00.9	2.6	36	57.9	--	--	39.3	--	--	
Proseed	XT60-09	Xtend	00.9	2.0	39	58.5	--	44.1	38.5	41.3	--	
Proseed	EL80-093	Enlist E3	00.9	2.1	37	57.6	--	45.7	38.3	42.0	--	
Proseed	XT20-07	Xtend	00.7	2.4	37	58.0	--	--	38.6	--	--	
Dyna-Gro	S005XT38	Xtend	00.5	2.3	37	57.7	29.3	39.8	41.5	40.6	36.9	
Dyna-Gro	S007XT27	Xtend	00.7	2.4	32	58.0	29.7	39.5	37.5	38.5	35.6	
NDSU	ND17009GT	GT	00.9	3.1	34	59.0	25.8	33.7	36.9	35.3	32.1	
Trial Mean					2.4	36	58.0	27.5	40.1	38.1	--	--
C.V.%					14.7	4.7	0.7	11.4	14.0	5.5	--	--
LSD 5%					0.2	2	0.6	4.4	7.9	3.0	--	--
LSD 10%					0.2	2	0.5	3.7	6.6	2.5	--	--

<sup>a</sup> IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead

Planting Date: May 26

Harvest Date: October 6

Planting Rate: 150,000 PLS/A

Row Spacing: Solid Seeded (7" rows)

Soil Type: Barnes loam

Tillage: Minimum Till

Previous Crop: 2017 = durum, 2018 = canola, 2019 = durum

Note: Frost on September 9.